References

[1] Gombert A., Glaubitt W., Rose K., Dreibholz J., Zanke C., Bläsi B., Heinzel A., Horbelt W., Sporn D., Döll W., Wittwer V., Luther J. (1998), Glazing with very high solar transmittance, *Solar energy*, **62**, 177-188.

[2] Gombert A. et.al. (1999), Subwavelength-Structured antireflective surfaces on glass, *Thin solid films*, **5**, 73-78, Elsevier Science S.A.

[3] Gombert A., Glaubitt W., Rose K., Dreibholz J., Bläsi B., Heinzel A., Sporn D., Doll W., Wittwer V. (2000), Antireflective transparent covers for solar devices, *Solar energy*, **68**, 357-360.

[4] Angadi, M.A.et.al. (1989), Heat mirrors using CeO_2/Cu/CeO_2 multilayer films, *Journal of Materials science letters*, **8**, 391-394.

[5] Xiaodong Wang and Jun Shen (2009), Sol-gel derived durable antireflective coating for solar glass, *Journal of Sol-Gel science and technology*, **53**, 322-327.

[6] Becker Hans Joachim, Erlbach Markt, Dauwalter Armin, Gombart A., Freiburg, Glaublitt Waulther, Hofmann Thomas, Kursave Monica (2006), Method for making thermally tempered glass comprising anon-abrasive, porous SiO_2 antireflection layer, US patent: US7128944B2.

[7] Bunte, Eerke, Zhang, Wendi, Hupkes, Jurgen (2010), Prepararion and topographyanalysis of randomly textured glass substrate, *Journal of Vacuume science and technology*, **28**, 1255-1258.

[8] Chien-Hung Chen, Shiao-Yi, Li, Anthony S.T.Chiang, Albert T.Wu and Y.S.Sun (2011), Scratch-resistant zeolite anti-reflective coating on glass for solar applications, *Solar energy materials and solar cells*, **95**, 1694-1700.

[9] Dezeng Li, Fuqiang Huang , Shangjun Ding (2011), Sol–gel preparation and characterization of nanoporous ZnO/SiO_2 coatings with broad band antireflection properties, *Applied surface science*, **257**, 9752-9756.

[10] Dinguo chen (2001), Anti-reflection (AR) coatings made by sol–gel processes: A review, *Solar energy material and solar cells*, **68**, 313-336.

[11] Disteldorf B., Mettallach, Sharma P.K., Arbor A., Mellot N.P., Northville, (2009), Method of making glass including surface treatment with aluminum chloride using combustion deposition prior to deposition of antireflective coating, US patent no US 2009/0148709 A1.

[12] Elin Hammarberg, Arne Roos (2003), Antireflection treatment of low-emitting glazings for energy efficient windows with high visible transmittance, *Thin solid film*, **442**, 222-226.

[13] Fulton K.R., Richard H., Scott V.T. (2009), Photovoltaic device having low iron high transmission glass with lithium oxide for reducing seed free time and corresponding method, US patent: US 2009/223252 A1.

[14] Heisch G., Mos A., Deubener J. and Holand M. (2010), Thermal resistance of nanoporous antireflective coatings on silica glass for solar tower receivers, *Solar energy materials and solar cell*, **94**, 2191-2196.

[15] San Vicente G., Bayón R., Germán N., Morales A. (2009), Long-term durability of sol–gel porous coatings for solar glass covers**,** *Thin solid film*, **517**, 3157-3160.

[16] San Vicente G., Bayón R., Germán N., Morales A. (2011), Surface modification of porous antireflective coatings for solar glass covers, *Solar energy*, **85**, 676-680.

[17] San Vicente G., Morales A., Suarez S., (2011), AR Coating with self cleaning properties for solar glass covers, *Optimization*, **2**, 99-100.

[18] Thomas Hofmann, Monika Kursawe(2003), Anti reflective coating on glass for solar applications, *Glass processing days*, 382-384.

[19] LaCourse W. C., Cormack A. N. (1991), Structural influences on the mixed alkali effect in glasses, *Transactions of the american crystallographic association*, **27**, 211-224.

[20] Jang H. K., Chung Y. D., Whangbo S. W., Kim T. G., Whang C. N., Lee S. J., and Lee S. (2001), Effects of chemical etching with nitric acid on glass surfaces, *Journal of Vacuum Science technolgy*, **19**, 267-274.

[21] Jang H. K., Chung Y. D., Whangbo S. W., Lee Y. S., Lyo I. W., Whang C. N., Lee S. J., and Kim G. (2000), Effects of chemical etching with sulfuric acid on glass surface, *Journal of vacuum science technology*, **18**, 401.

[22] Verma L.K., Sakhuja M., Son J., Danner A.J., Yang H., Zeng H.C., Bhatia C.S. (2011), Self-cleaning and antireflective packaging glass for solar modules, *Renewabal energy*, **36**, 2489-2493.

[23] Sharma P.K., Taylor T.J. (2008), Method of making a photovoltaic device with anti reflecting coating containing porous silica and resulting product, US patent: US 2008/0185041 A1.

[24] Naoko Yamaguchi, Kiyoharu Tadanaga, Atsunori Matsuda, Tsutomu Minami, Masahiro T. (2007), Antireflective properties of flowerlike alumina thin films on soda–lime silica glass substrates prepared by the sol–gel method with hot water treatment, *Thin solid film*, **515**, 3914-3917.

[25] Mazurin O. V. (2005), Glass properties: compilation, evaluation, and prediction, *J. Non-Cryst. Solids*, **351**, 1103-1112.

[26] Per Nostell, Arne Roos, Björn Karlsson (1998), Antireflection of glazings for solar energy applications, *Solar energy materials and solar cell*, **54**, 223-233.

[27] Almanza R., Muñoz F., Mazari M. (1992), Development of aluminum first surface mirrors for solar energy applications, *Solar energy*, **48**, 339-343.

[28] Sanduja M.L., Carl H., Thomas A., Paul T. (2000), Coating of glass substrate for antireflective properties with abrasion, chemical and UV resistance, US patent: US6040378.